

Protective clothing against chemicals – Requirements acc. to DIN EN 14325

Objective

Fulfillment of the performance requirements for reusable and limited-use protective clothing against chemicals for use as personal protective equipment (PPE) in accordance with the specifications of the European standard EN 14325 and the type-specific requirements.

Application

- Protective suits against chemicals according to:
 - Type 6 DIN EN 13034
 - Type 5 DIN EN 13982-1
 - Type 4 DIN EN 14605
 - Type 3 DIN EN 14605
- Materials for protective suits against chemicals



Your benefit as a customer

- Testing and certification of your protective clothing against chemicals
- Ensuring that the requirements of Regulation (EU) 2016/425 are met
- Consumer safety
- Proof of function

Description

A Chemical Protective Suit is Personal Protective Equipment (PPE) that protects the wearer from their environment, allowing them to work in chemically or microbiologically contaminated environments. CSA are divided into 6 types or levels of protection (1-6), which vary in protection from gas-tight to limited tightness against liquids.

The CSA is not resistant to all substances. Therefore, each Chemical Protective Suit is designed for one purpose. It is tested and marked for these substances, for example, during permeation testing.

Tests for performance requirements on material, seams, joints and composites

- Performance classification of materials according to EN 14325, section 4
- Performance requirements for seams, joints and laminations according to EN 14325, section 5
- Optional: Microbiological testing according to EN 14126
- Optional: Evaluation of biocompatibility (e.g. cytotoxicity DIN EN ISO 10993-5)

Requirements for the entire suit

- Type 6 - EN 13034: Fog test according to EN 17491-4
- Type 5 - EN 13982-1: Inward leakage according to EN 13982-2
- Type 4 - EN 14605: Spray test EN 17491-4
- Type 3 - EN 14605: Jet test according to EN 17491-3
- General requirements according to EN ISO 13688 (incl. verification of marking and manufacturer information)

Requirements for test samples

General

Depending on the customer's requirements, the test samples are examined in new condition or also after a defined number of reprocessing cycles

Material quantity

Approx. 5-10 assembled parts, but with at least 4 linear meters of material build-up (if all tests are commissioned)

Test duration

- Usually 4-6 weeks
- With certification approx. 12 weeks
- Date confirmation takes place after receipt of test sample